

	Search Text
1	microarray or "gene array" or "gene chip" or "dna array" or "dna chip" or biochip
2	(layer or matrix or coating) near8 (agarose or gelatin or polyacrylamide)
3	1 and 2
4	3 and (humecants or surfactant)
5	3 and ((optic or optically) near4 active)
6	3 and "cross link"
7	2 and (titanium or "carbon black" or "iron oxide")

	Search Text
8	7 and ((optic or optically) near4 active)
9	8 and "cross link" or "cross linking"
10	7 and ("cross link" or "cross linking")
11	8 and 10
12	11 and (humecant or surfactant)
13	11 not 12
14	3 and ("cross link" or "cross linking")

	Search Text
15	14 and (humecant or surfactant)
16	15 not 11